Application/Control No. Applicant(s)/Patent under Reexamination Index of Claims 10/092,525 OKAMOTO ET AL. Examiner Art Unit Samuel A. Gebremariam 2811 (Through numeral) Cancelled Rejected Non-Elected **Appeal** N Α o Restricted Interference Objected Allowed

| _  |          | _  |                      |          |         |  |          |          |             |       |          |             |  |                    |                |       |            |          |                 |             |          |               |            |
|--|----------|--|----------------------|----------|---------|--|----------|----------|-------------|-------|----------|-------------|--|--------------------|----------------|-------|------------|----------|-----------------|-------------|----------|---------------|------------|
| Claim  |          | , Date   |                      |          |         |  |          |          |             | Claim |          |             | Date   |                    |                | Claim |            | Date     |                 |             |          |               |            |
| Final  | Original | (1/23/0)   |                      |          |         |  |          |          |             | Final | Original |             |  |                    |                | Final | Original   |          |                 |             |          |               |            |
|  | 1        | ~  |                      |          |         |  |          |          |             |       | 51       |             |  |                    |                |       | 101        |          |                 |             |          |               |            |
|  | 2        | 7  |                      |          | $\neg$  |  |          |          | 7:::        |       | 52       |             |  |                    |                |       | 102        |          |                 |             |          |               |            |
|  | 3        | =  |                      |          |         | $\Pi$  |          |          | ]:::        |       | 53       |             |  |                    | ]:::[          |       | 103        |          |                 |             |          |               |            |
|  | 4        | Z  |                      |          |         |  |          |          | ]:::        |       | 54       |             |  |                    | ]:::[          |       | 104        |          |                 |             |          |               |            |
|  | 5        | II)  |                      |          |         |  |          |          | ]:::        |       | 55       |             |  |                    |                |       | 105        |          |                 |             |          |               | 丄          |
|  | 6        | Ц  |                      |          |         |  |          |          |             |       | 56       |             |  |                    |                |       | 106        |          | Ш               |             |          |               | 丄          |
|  | 7        | Щ  | Щ                    | _        |         | $\perp \downarrow$   | _        | _ _      | _:::        |       | 57       |             | $\bot$   |                    |                |       | 107        |          | Ш               |             | Ш        | $\perp$       | 丄          |
|  | 8        | Ŀ  | Ш                    | 4        |         | $\perp \perp$  | _        |          | 488         |       | 58       |             |  |                    |                |       | 108        |          | Ш               | _           |          | $\dashv$      | 4          |
|  | 9        | Щ  | Ш                    | _        | $\perp$ | +  | _        | $\perp$  | 488         |       | 59       |             | +  |                    | 1:::1          |       | 109        | _        | $\sqcup$        |             |          | $\perp$       | —          |
|  | 10       | Ц.   | $\sqcup$             | _        |         | +  | -        | _ _      | - ∷:        |       | 60       | -           | 1 1-1  | -                  | 4:::1          |       | 110        | _        | $\sqcup$        | _           | Н        | _             | +          |
| <u> </u>   | 11       | H  | $\sqcup$             | _        | -       | +  |          | _        | 4:::        |       | 61       | -           | +  | ++                 | <b>-</b>  :::  |       | 111        | $\dashv$ | $\vdash$        | +           | Н        | $\dashv$      | +          |
| <u> </u>   | 12       | Н.   | ${oldsymbol{arphi}}$ | +        | +       | +  | +        |          | <b>-</b> ∤∷ |       | 62       | +++         | +  |                    | <b>-</b>  ∷    |       | 112        | +        | $\vdash \vdash$ | +           | $\vdash$ | $\dashv$      | +          |
| <u> </u>   | 13       | y  | $\vdash$             | -        | +       | +-+  |          | +        | 4:::        |       | 63       |             | +  |                    | - :::          |       | 113        | +        | $\vdash$        | -           | $\vdash$ | $\dashv$      | +          |
| <u> </u>   | 14       |  | $\vdash$             | +        | +       | +  | -        | +        | -133        |       | 64       |             | +-+  |                    | -[:::]         |       | 114        | +        | $\vdash$        | _           | Н        | $\vdash$      | +          |
| <del></del>                                      | 15<br>16 | X  | $\vdash$             | +        | +       | ++   | +        | +        | -1:::       |       | 65<br>66 | +++         | +  |                    | <b>-</b>   ::: |       | 115<br>116 | +        | $\vdash$        | +           | $\vdash$ | +             | +          |
| ⊢  | 17       | H  | $\vdash$             | -        | +       | ╅  | $\dashv$ |          | ⊣∷          |       | 67       | <del></del> | + + +  | <del>-   -  </del> | 133            |       | 117        | +        | $\vdash$        | <del></del> | $\vdash$ |               | +          |
| -  | 18       | H  | $\vdash$             | +        | +-      | ++   | $\dashv$ |          | - ∷         |       | 68       | <del></del> | ╂═╂═   | -                  | -              |       | 118        | +        | $\vdash$        | +           | Н        | $\dashv$      | +          |
| <del>                                     </del> | 19       | 1  | Н                    | +        | +       | ++   | +        |          | - ∷         |       | 69       | +++         | + + -  |                    | -[:::]         |       | 119        |          | ╁─┼             |             | $\vdash$ | +             | +-         |
| $\vdash$   | 20       | N  | $\vdash$             | $\dashv$ | +       | ++   | $\dashv$ | $\dashv$ | -1:::       |       | 70       | +++         | + + +  |                    | -{:::}         |       | 120        | +        | Η               | +           | Н        | -             | +          |
|  | 21       | 7  | H                    | +        | +       | + +  | $\dashv$ | +        | -           |       | 71       |             | +  |                    | 1 : 1          |       | 121        | +        | ┥               | +           | Н        | $\rightarrow$ | +          |
|  | 22       |  | ┝═┼                  | -+       | +       | + +  | -+       |          | ⊹∷ի         |       | 72       | +++         | +++  | +                  | <b>∤∷</b> ∤    |       | 122        |          | ╁               | -           | Н        | -             |            |
|  | 23       | $\vdash$   | $\vdash$             | $\dashv$ | +       | + +  | $\dashv$ | +        | ન∷ા         |       | 73       | +++         | 1 1  | 1-1-               | 133            |       | 123        | _        | $\vdash$        |             | Н        | -             |            |
|  | 24       | -  |                      | -+       |         | 11   | -        | +        | -           |       | 74       |             | + + +  |                    |                |       | 124        | +        | Н               | $\top$      | Н        | $\dashv$      | 十          |
|  | 25       | <del>                                     </del> | $\vdash$             | 十        | +       | 1 1  | $\dashv$ |          | ⊣:::        |       | 75       |             | 1  |                    | 1:::1          |       | 125        | $\top$   | Н               | $\neg$      | Н        |               | 十          |
|  | 26       | $\vdash$   | H                    | $\dashv$ | $\top$  | 11   | $\dashv$ |          | Ⅎ∷          |       | 76       | +++         |  | +                  | 1:::1          |       | 126        |          |                 | _           | Н        |               | +-         |
|  | 27       |  | $\Box$               | 十        | 1       | 11   | $\dashv$ | $\top$   | <b>⊤</b> ∷: |       | 77       |             | 111  |                    |                |       | 127        |          | $\Box$          | $\dashv$    | П        | $\top$        | 十          |
|  | 28       | <u> </u>   | $\Box$               | $\dashv$ | 1       | $\Box$   | $\dashv$ | $\top$   | 1∷։         |       | 78       |             | 1111   | $\top$             | 1 1            |       | 128        | 7        |                 |             | $\Box$   |               | 十          |
|  | 29       | T  | П                    | 寸        |         |  | 寸        | $\neg$   | 1           |       | 79       |             | 1 1 1  |                    | 1::1           |       | 129        |          | П               |             | П        |               | $\top$     |
|  | 30       |  |                      | $\neg$   | 1       | Ħ  | 一        |          | 7:::        |       | 80       |             |  |                    | 1:::1          |       | 130        |          | П               |             | П        |               | $\top$     |
|  | 31       | Г  | П                    | 丁        | 1       |  | ヿ        | $\neg$   | 7:::        |       | 81       |             | $\Box\Box$                                       |                    | 11             |       | 131        |          |                 |             | П        |               |            |
|  | 32       |  |                      | $\Box$   |         |  | $\Box$   |          | ]::         |       | 82       |             |  |                    | ] ::           |       | 132        |          |                 |             |          |               |            |
|  | 33       |  |                      | $\prod$  |         |  | $\Box$   |          | ]:::[       |       | 83       |             |  |                    | ]:::[          |       | 133        |          |                 |             |          | $\Box$        |            |
|  | 34       |  |                      |          |         |  |          |          |             |       | 84       |             |  |                    |                |       | 134        |          |                 |             |          |               |            |
| L  | 35       | <u> </u>   | Ш                    |          |         | $oldsymbol{ol}}}}}}}}}}}}}}}}$ | ⅃        |          | _ :::       |       | 85       |             | $oldsymbol{oldsymbol{\sqcup}}$                   |                    | ]::[           |       | 135        |          | Ш               |             | Ш        | $\perp$       |            |
|  | 36       | L  |                      |          |         | Ш  | $\perp$  |          |             |       | 86       |             |  |                    |                |       | 136        |          | Ш               |             | Ш        |               |            |
|  | 37       | L  | Ш                    |          |         | $oxed{oxed}$   | $\perp$  |          |             |       | 87       |             | $\bot \bot \Box$                                 | _ _ _              | ]::[           |       | 137        |          | Ш               |             | Ш        | $\perp$       |            |
|  | 38       | <u> </u>   | Ц                    | -        |         | $\bot \downarrow$  | 4        | 4        | 4:::        |       | 88       |             | $\bot$   |                    | 1::1           |       | 138        |          | Ш               |             | Ш        | $\dashv$      |            |
|  | 39       | ┞  | Ц                    | 4        | 4       | $\bot \downarrow$  | 4        | $\bot$   | 4::::       |       | 89       | +++         | ++   | -                  | <b>.</b>  ::   |       | 139        |          | $\sqcup$        | _ _         | Ш        | _             |            |
|  | 40       | <u> </u>   | $\sqcup$             | 4        | 4       | $\downarrow \downarrow \downarrow$   | 4        | 4        | 4:::        |       | 90       | +++         | +  | $\dashv \perp$     | :              |       | 140        | $\bot$   | $\sqcup$        | $\perp$     | Ш        | 4             | 4          |
|  | 41       | <u> </u>   | $\dashv$             |          | 4       | +  | 4        | - -      | 4::::       |       | 91       |             | 1-1-1  | _ _ _              | <b> </b>       |       | 141        | - -      | $\vdash \vdash$ |             | $\vdash$ | +             |            |
|  | 42       | <u> </u>   | _                    | _        |         | +  | -        | -        | 4:::        |       | 92       | -           |  |                    | 4::4           |       | 142        |          | $\vdash$        | _           | Н        | $\dashv$      | +          |
| <u> </u>   | 43       | <del> </del>                                     | $\dashv$             |          | -       | +  | -        | - -      | 4:::        |       | 93       |             | 4-4-1  |                    | <b>∤</b> ∷     |       | 143        | +        | $\vdash \vdash$ |             | $\vdash$ | $\dashv$      | +          |
| -  | 44       | ⊢  | $\dashv$             | +        | +       | +  | +        | - -      | - ::::      |       | 94       | <del></del> | <del>     </del>                                 | -                  | <b>∤∷</b> ∤    |       | 144        | +        | $\vdash \vdash$ | $\dashv$    | $\vdash$ | +             | +          |
|  | 45       | $\vdash$   | $\mapsto$            | +        | +       | +  | $\dashv$ | $\dashv$ | 4:::        |       | 95       |             | ++   | -++                | 4 4            |       | 145        | +        | $\vdash \vdash$ | +           | $\vdash$ | +             | +          |
| <b>_</b>   | 46       | -  | $\dashv$             |          | +       | +  | $\dashv$ |          | - :::       |       | 96       | +++         | <del>   - </del>                                 |                    | <b>∤∷</b> }    |       | 146        |          | $\vdash \vdash$ | $\dashv$    | ╁┼       | -             |            |
| $\vdash$   | 47       | ⊢  | $\dashv$             | +        | +       | +  | $\dashv$ |          | 4:::1       |       | 97       | +++         | <del>                                     </del> |                    | <b>-</b>   ::  |       | 147        | +        | ⊢┼              | -           | ╁┤       | $\dashv$      | +          |
| _  | 48       | <u> </u>   | $\dashv$             |          |         | ┨  | +        |          | 4:::        |       | 98       | <del></del> | <del>- - </del>                                  |                    | <b>-</b>  ∷    |       | 148        | +        | $\vdash \vdash$ | - -         | ┝┤       |               | $+\!\!\!-$ |
| $\vdash$   | 49       | ⊢  | $\dashv$             | +        | +       | +  | +        |          | 4::::       |       | 99       | +++         | <del>-   </del>                                  | ++                 | -{::}          |       | 149        | -        |                 | +           | Н        | +             | +          |
| L  | 50       |  |                      | L        | l       | $\perp$  | L        | l_       | ا∷دل        |       | 100      | Lll         |  |                    | ا∴ر            |       | 150        | L_       | Ш               | L_          |          |               |            |